ELSEVIER

Livestock Production Science 45 (1996) 233–234

LIVESTOCK PRODUCTION SCIENCE

Contents of *Livestock Production Science*, Volume 45

VOL. 45 NO. 1 **JANUARY 1996**

Regular Papers

Estimation and interpretation of direct and maternal genetic parameters for weights of Australian Angus cattle
D.L. Robinson (Armidale, NSW, Australia) 1

Days to calving in Angus cattle: Genetic and environmental effects, and covariances with other traits
D.J. Johnston and K.L. Bunter (Armidale, NSW, Australia) 13

Technical and economic effects of feeding one vs. multiple total mixed rations estimated by stochastic simulation under different dairy herd and management characteristics
S. Østergaard (Frederiksberg, Denmark), J.T. Sørensen, J. Hindhede (Tjele, Denmark) and A.R. Kristensen (Frederiksberg, Denmark) 23

Population survey of citrullinemia on German Holsteins
S. Grupe, G. Dietl and M. Schwerin (Dummerstorf, Germany) 35

Effect of doubling the amount of low quality grass hay offered and supplementation with *Acacia tortilis* fruits or *Sesbania sesban* leaves, on intake and digestibility by sheep in Tanzania
S.N. Bitende (Tanga, Tanzania) and I. Ledin (Uppsala, Sweden) 39

In situ degradability of forages cut at different stages of growth
M. Hadjipanayiotou, I. Antoniou, M. Theodoridou and A. Photiou (Nicosia, Cyprus) 49

Genetic correlations between test station and on-farm performance traits in Large White and French Landrace pig breeds
J.P. Bidanel (Jouy-en-Josas, France) and A. Ducos (Le Rheu, France) 55

Genetic and phenotypic parameters for age at starting to race and racing performance during early career in trotters
M.T. Saastamoinen (Ypäjä, Finland) and A. Nylander (Jokioinen, Finland) 63

Non-normality of egg production distributions in poultry and the effects of outlier elimination and transformation on size and curvilinearity of heritability
A.N.M. Koerhuis (Midlothian, Edinburgh, UK) 69

Comparison of growth and feed efficiency among rabbit lines selected for different objectives
S. Feki, M. Baselga, E. Blas, C. Cervera (Valencia, Spain) and E.A. Gómez (Barcelona, Spain) 87

The effect of emptying the rumen on the heat production of wethers
J. Torrent and D.E. Johnson (Fort Collins, CO, USA) 93

Publisher's Acknowledgement 97

Guide for Authors 99

VOL. 45 NO. 2–3 **MAY 1996**

Environmental and seasonal influences on the return-to-oestrus after weaning in primiparous sows: a review
A. Prunier, H. Quesnel, M. Messias de Bragança and A.Y. Kermabon (Saint-Gilles, Nouzilly, France) 103

Models which might explain negative correlations between direct and maternal genetic effects
D.L. Robinson (Armidale, NSW, Australia) 111

Genetic parameters for traits other than production in purebred and crossbred New Zealand dairy cattle
R.I. Cue, B.L. Harris and J.M. Rendel (Montreal, Hamilton, Canada, New Zealand) 123
Heterogeneity of herd-period phenotypic variances in the Spanish Holstein–Friesian cattle: Sources of heterogeneity and genetic evaluation
M.A. Ibáñez, M.J. Carabaño, J.L. Foulley and R. Alenda (Madrid, Jouy-en-Josas, Spain, France) 137
Production responses of high producing cows fed rumen bypass DL-2-hydroxy-4-(methylthio)butanoic acid coated with calcium soaps of fatty acids
D. Sklan and M. Tinsky (Rehovot, Israel) 149
Serum immunoglobulin concentrations in young dairy calves and their relationships with weight gain, onset of puberty and pelvic area at 15 months of age
A.G. Ramin, R.C.W. Daniel, D.C. Fenwick and R.G. Verrall (St. Lucia, Queensland, Australia) 155
Associations of serologically defined BoLA class I alleles with milk production traits in three Swiss cattle breeds
M.A. Arriëns, A. Hofer, G. Obexer-Ruff and S. Lazary (Bern, Zürich, Switzerland) 163
A linear evaluation system for udder traits of dairy ewes
L.F. De la Fuente, G. Fernandez and F. San Primitivo (León, Spain) 171
Response to dietary lysine supply during the finishing period in pigs
J.Y. Dourmad, D. Guillou, B. Sève and Y. Henry (Saint-Gilles, Château Thierry, France) 179
Growth and carcass characteristics as well as meat and fat quality of three types of pigs under different feeding regimens
P. Affentranger, C. Gerwig, G.J.F. Seewer, D. Schwörer and N. Künzi (Zurich, Sempach, Switzerland) 187
Effects of dietary protein sources differing in solubility on total tract and ileal apparent digestibility of nitrogen and pancreatic enzymes activity in early weaned pigs
J. Peiniau, A. Aumaitre and Y. Lebreton (Saint-Gilles, France) 197

Transgenic Animals — an Assessment 209
The 47th Annual Meeting of EAAP, Norway 1996 211
EAAP — Future meetings and notices 212
News from EAAP member countries 213
International News 213
News and Comments 214
In Memoriam 216
Reports of Scientific Meetings 219
Book Reviews 221
Training courses 229
Forthcoming meetings 230

Contents of Volume 45 233